DOCUMENT RESUME

ED 373 802 IR 055 164

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TITLE	Developing a BI Program for Medical Resources on Internet.
PUB DATE	[94]
NOTE	16p.
PUB TYPE	Guides - Classroom Use - Instructional Materials (For Learner) (051) -- Tests/Evaluation Instruments (160)
EDRS PRICE	MF01/PC01 Plus Postage.
DESCRIPTORS	Access to Information; *Computer Networks; Course Descriptions; Electronic Mail; Evaluation Methods; Higher Education; *Information Networks; *Information Sources; *Library Instruction; Library Services; Medical Libraries; *Medicine; Online Searching
IDENTIFIERS	Gopher; *Internet; Listservs; *Medical Information Systems; USENET

ABSTRACT

This document describes a bibliographic instruction (BI) course on accessing medical resources on the Internet through discussion lists and Gopher that consisted of short sessions taught biweekly each semester at the University of Vermont medical library. The introduction lists the rationale for starting the program; principles for teaching the program; content coverage; and frequency of the courses. The syllabus includes brief descriptions, instructional outlines, and course objectives for two 50-minute sessions--one on computer conferences and the other on Gopher. Handouts on the following topics are included: basic Listserv commands; medical discussion lists; string search commands; medical Gopher sites; basic Gopher commands; Internet medical Usenet newsgroups; and newsgroups search commands. The evaluation form used in the course is also included. (JLB)

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Developing a BI Program for Medical Resources

by Hongjie Wang

IR055164

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DEVELOPING A BI PROGRAM FOR MEDICAL RESOURCES ON INTERNET

I. RATIONALE FOR STARTING THE PROGRAM

1. Libraries have the responsibilities to teach their patrons to use the library resources.
2. Internet is increasingly becoming an important gateway to library resources.
3. More and more library users are having access to Internet and are eager to know how to use it.
4. Medical Libraries should help library patrons use Internet intelligently and for serious medical purposes.
5. Many medical libraries in the country are including Internet training in their bibliographic instruction programs (The Biomedical Library of the University of Pittsburgh, Norris Medical Library of the University of Southern California).
6. Information specialists at Dana library, to work as a team, are ready to share with the public what they know about Internet.

II. PRINCIPLES FOR TEACHING THE PROGRAM

1. Teach practical skills, not theory.
2. Focus on what is available rather than basic mechanisms.
3. Start with the most useful, yet easiest-to-learn resources.
4. Ensure uniformity and continuity of the course content.

III. THE CONTENT COVERAGE OF THE PROGRAM

1. Discussion Lists.
2. Gopher.
3. FTP (?)

IV. FREQUENCY OF THE COURSES

Twice a month with each class covering a different topic.

SYLLABUS

COURSE: ACCESSING ON-LINE MEDICAL RESOURCES

THROUGH DISCUSSION LISTS AND GOPHER

I) Course Description

This syllabus outlines the series of short courses taught on Internet medical resources by information specialists in Dana Medical library at the University of Vermont.

Brief Course Descriptions

- Offered biweekly, each semester.
- Participants encouraged to take all of them.
- Joint instruction by information specialists.
- "Hands-on" emphasis; classes held in computer labs.
- Equipment: overhead projector and screen.
- Maximum number of participants: 20; minimum number: 5.
- Prerequisites:
  a) a central computer account, and
  b) familiarity with login procedures and some fundamentals

1) Computer Conferences (50 minutes)
From the scholarly to the personal, whether you're interested in the use and abuse of alcohol or nutritional epidemiology, there is very likely an electronic journal or computer conference on the topic. Find out how to overcome geographic isolation and communicate with colleagues around the world and how to use these new computer-mediated communication tools as information resources.

2) Gopher (50 minutes)
Learn about the latest tools to evolve on the Internet. These information servers provide access to a wide variety of Internet resources using a common interface and commands.

II) Instructional Outlines

1) Computer Conferences (50 minutes)

a) Welcome, introduction, our series of cc rses
b) Brief review of mail commands & network addresses
c) Computer Conferences and electrical journals (Internet and Bitnet)
   - types of conferences
   - directories (scholarly and list of lists)

- moderated vs. unmoderated conferences
- computer-mediated communication (flaming, emotions, etc.)
- conference etiquette
- listserv vs. other types
- commands and procedures for subscribing to them
- searching archived conferences

d) Directed Search (Hands-on)
- subscribe to a conference and a journal
- check acknowledgements
- unsubscribe

e) Handouts:
- Subscribing to an Internet conference and an e-journal
- List of medical discussion lists
- How to access directories for computer conferences and e-journals
- Evaluation Form

2) Gopher (50 minutes)

a) Welcome, introduction, our series of courses

b) Explanation of Gopher
- description and history
- what they do
- information resources available through them
- directories (e.g. Veronica, Directory of Servers)
- sources of information (e.g., Ed Krol's The Whole Internet, online)

c) Overview of Gopher.
- conceptual overview
- commands (e.g., bookmarks, saving information, interrupting searches)

d) Directed Search (Hands-on)
- Various Gopher resources

e) Handouts:
- Basic Gopher commands
- List of medical gopher sites
- How to access databases through Veronica
- Evaluation Form

III) Course Objective

After taking this course the student will get acquainted with the medical resources on Discussion Lists and Gopher sites and use proper commands to locate, retrieve medical resources from the most popular Lists and Gopher sites. Specifically, they will be able to:

1. Locate the addresses of some popular medical Discussion Lists.
2. Use basic commands to subscribe and sign off specific Lists.
3. Obtain the file of the Listserv lists.
4. Execute subject/key word searches for subject files.
5. Locate the addresses of some popular medical Gopher Sites.
6. Use basic commands to view, print and mail documents on Gopher.
7. Execute key word searches using Veronica.

HANDOUT 1

BASIC LISTSERV COMMANDS

Subscribing:

* Send an e-mail message to **listserv@**_____.
* Leave the "Subject:" line blank.
* In the body of the message type **subscribe list name Your Name**
* Delete any extra lines that may appear in your message
* Send the message.

Sending Messages:

* Send your message to **list name@**_____.
* In the "Subject:" line type a brief description of your topic.
* Type your message.
* Sign your name, including your e-mail address.
* Send your message.

(Beware of two different addresses of a list: the **listserv** address and the **list** address. The first is for sending messages to the computer that runs the list; the second is for sending messages to the list itself, to all the other subscribers.)

Signing Off:

* Send an e-mail message to **listserv@**_____.
* Leave the "Subject:" line blank.
* In the body of the message type **sign off (or unsubscribe) list name your name.**
* Delete any extra lines that may appear in your message.
* Send the message.

HANDOUT 2

MEDICAL DISCUSSION LISTS

Network-wide ID	Full Address	List Title
ADDICT-L	ADDICT-L@KENTVM	Academic & Scholarly discussion of addiction+
AIDS	AIDS@EBCESCA1	(Peered) Sci.Med.AIDS Newsgroup
	AIDS@RUTVM1	Sci.Med.AIDS Newsgroup
AIDS_INTL	ICECA@RUTVM1	Intl Committee for Elec Comm on AIDS
ALCOHOL	ALCOHOL@LMUACAD	ALCOHOL & DRUG STUDIES
AMIA-37	AMIA-37@UMAB	AMIA Anesthesiology, Critical Care Medicine +
ANEST-L	ANEST-L@UBVM	Anesthesiology Discussion List
AUTISM	AUTISM@SJUVM	SJU Autism and Developmental Disablities List
BEHAVIOR	BEHAVIOR@ASUACAD	Behavioral and Emotional Disorders in Childr+
BRAINTMR	BRAINTMR@MITVMA	Brain Tumor Research/Support
C+HEALTH	C+HEALTH@IUBVM	Health effects of computer use
CLINALRT	CLINALRT@UMAB	Clinical Alerts from NIH
COMMDIS	COMMDIS@RPITSVM	Speech disorders
CONFLIST	CONFLIST@UCSFVM	School of Medicine Conference List
CYBSYS-L	CYBSYS-L@BINGVMB	Cybernetics and Systems
DEAF-L	DEAF-L@SIUCVMB	DEAF LIST
DENTAL	MEMBERS@UMAB	DENTAL TEST LIST
DIET	DIET@UBVM	Support and Discussion of Weight Loss
DOWN-SYN	DOWN-SYN@NDSUVM1	Down Syndrome
DRUGABUS	DRUGABUS@UMAB	Drug Abuse Education Information and Research
EMERG-L	EMERG-L@MARIST	Emergency Services Discussion List
FAMILY-L	FAMILY-L@MIZZOU1	Academic Family Medicine Discussion.
FIBROM-L	FIBROM-L@UIUCVMD	FIBROM-L Fibromyalgia / Fibrositis Discussio+
FINAN-HC	FINAN-HC@WUVMD	Health Care Financial Matters Discussion List
FIT-L	FIT-L@ETSUADMN	Exercise/diet/wellness talk list
FORENSIC	FORENSIC@UABDPO	Forensics List
GERINET	GERINET@UBVM	Geriatric Health Care Discussion Group
HEALTHRE	HEALTHRE@UKCC	Health Care Reform Discussion List
HYPBAR-L	HYPBAR-L@TECHNION	HyperBaric & Diving Medicine List
IMIA-L	IMIA-L@UMAB	International Medical Informatics Assn. Boar+
IMMNET-L	IMMNET-L@DARTCMS1	Medical Immunization Tracking systems
INGEST	INGEST@CUVMB	Ingestive Behavior Mailing list.
JMEDCLUB	JMEDCLUB@BROWNVM	Medical Journal Discussion Club
LTCARE-L	LTCARE-L@NIHLIST	Research on Disability and Long-term care
MED-TECH	MED-TECH@FERRIS	MED-TECH Medical Technology List
MEDIMAGE	MEDIMAGE@POLYVM	Medical Imaging Discussion List

MEDINF-L	MEDINF-L@DEARN	MEDINF-L
MEDLAB-	MEDLAB-L@UALTAVM	MEDLAB-L is a discussion group for medical
MEDLIB-L	MEDLIB-L@UBVM	Medical Libraries Discussion List
MEDNET	MEDNETS@NDSUVM1	MEDNETS Medical Telecommunications Networks
MEDNES	MEDNEWS@ASUACAD	MEDNEWS - Health Info-Com Network Newsletter
MEDPHY-L	MEDPHY-L@AWIIMC12	EFOMP Medical Physics Information Services
MEDSCI-L	MEDSCI-L@BROWNVM	Medieval Science Discussion List
MEDSTU-L	MEDSTU-L@UNMVMA	Medical student discussion list
MEDSUP-L	MEDSUP-L@YALEVM	Medical Support List
MENOPAUS	MENOPAUS@PSUHMC	Menopause Discussion List
MHCARE-L	MHCARE-L@MIZZOU1	Managed Health Care
MSLIST-L	MSLIST-L@TECHNION	Multiple Sclerosis Discussion/Support
MXDIAG-L	MXDIAG-L@ALBNYDH2	Molecular Pathology and Diagnostics
NURSENET	NURSENET@UTORONTO	NURSENET - A Global Forum for Nursing Issues
NURSERES	NURSERES@KENTVM	Discussion list for nurse researchers
NUTEPI	NUTEPI@DB0TUI11	Nutritional epidemiology
OMERACT	OMERACT@HEARN	Focused on Outcome Measures in Rheumatoid Ar+
PARKINSN	PARKINSN@UTORONTO	Parkinson's Disease - Information Exchange N+
PSYART	PSYART@NERVM	Institute for Psychological Study of the Arts
PSYC	PSYC@PUCC	PSYCOLOQUY: Refereed Electronic Journal of P+
PSYCGRAD	PSYCGRAD@UOTTAWA	Psychology Graduate Students Discussion Grou+
PS319-L	PS319-L@MIZZOU1	Discussion of Heath Policy Students
RADSIG	RADSIG@UWAVM	Radiology Special Interest Group
SCHIZOPH	SCHIZOPH@UTORONTO	SCHIZOPH - Schizophrenia Discussion Group
SCHLRN-L	SCHLRN-L@UBVM	School Nurse Network
SMDM-L	SMDM-L@DARTCMS1	Medical Decision Making List
SNURSE-L	SNURSE-L@UBVM	SNURSE-L - An International Nursing Student +
SOREHAND	SOREHAND@UCSFVM	Discussion of Carpal Tunnel Syndrome, Tendon+
SPORTPSY	SPORTPSY@TEMPLEVM	Exercise and Sports Psychology
STROKE-L	STROKE-L@UKCC	Stroke Discussion List
THPHYSIO	THPHYSIO@FRMOP11	Thermal Physiology
TRNSPLNT	TRNSPLNT@WUVMD	Organ transplant recipients and anyone else +
WISHPERD	WISHPERD@SJSUVM1	Women in Sport, Health, Physical Education, +
WITSENDO	WITSENDO@DARTCMS1	ENDOmetriosis Treatment and Support
WMN-HLTH	WMN-HLTH@UWAVM	WMN-HLTH

HANDOUT 3

TO GET A FULL LIST OF LISTS

* Send your message to **listserv@bitnic.educom.edu**
* Leave the "Subject:" line blank.
* In the body of the message type **list global**.
* Send the message.

TO DO A STRING SEARCH

* Send your message to **listserv@bitnic.educom.edu**
* Leave the "Subject:" line blank.
* In the body of the message type **list global /###** (There is a space before the "/" sign which is followed by your key words.
* Send the message.

HANDOUT 4

GOPHER SITES ADDRESS

Albert Einstein College of Medicine, New York
gopher gopher.aecom.yu.edu

American Heart Association Gopher
gopher gopher.amhrt.org

Austin Hospital, Heidelberg, Victoria Australia
gopher petl.austin.unimelb.edu.au

Dana Medical Library Gopher
gopher salus.med.uvm.edu

Disability Gopher at Univ. of Wisconsin
gopher trace.waisman.wisc.edu

National Institutes of Health
gopher gopher.nih.gov

National Institute of Allergy and Infectious Diseases
gopher gopher.niaid.nih.gov

The National Library of Medicine Gopher
gopher gopher.nlm.nih.gov

Nursing Gopher at the University of Tennessee
gopher nightingale.con.utk.edu

Pharmaclogy Gopher at Univ. of Texas, Houston, Medical School
gopher farmr4.med.uth.tmc.edu

Public Health Information in New York State.
gopher gopher.health.state.ny.us

Rural Health Care Gopher
gopher ruralnet.mu.wvnet.edu

The U.S. Department of Health and Human Services
gopher gopher.os.dhhs.gov

United Cerebral Palsy Association
mchnet.ichp.ufl.edu

Standford University
gopher camis.stanford.edu
Swedish Univeristy Network
gopher sunic.sunet.se

HANDOUT 5

QUICK GOPHER HELP

Moving Around Gopherspace:
* **Up**---------- Move to previous line.
* **Down**---------- Move to next line.
* **Right Return**-------- "Enter/Display current item.
* **Left, u**---------- "Exit" current item/Go up a level.

* **>, +, pgdwn, space**-- Veiw next page.
* **<, _, Pgup, b**------- Veiw previous page.
* **0-9**---------- Go to a specific line.
* **m**---------- Go back to the main menu.

Bookmarks:
* **a**---Add current item to the bookmark list.
* **A**---Add current directory/search to bookmark list.
* **v**---View bookmark list.
* **d**---Delete a bookmark/directory entry.

Other Commands:
* **s**---Save current item to file.
* **D**---Download a file.
* **q**---Quit with prompt.
* **Q**---Quit unconditionally.
* **=**---Display techinical information about current item.
* **o**---Open a new gopher server.
* **O**---Change options.
* **/**---Search for an item in the menu.
* **n**---Find next search item.
* **!,$**-Shell escape (Unix) or spawn subprocess (VMS).

QUICK GOPHER FILE HELP

u, ^G, left---Return to menu
space, down---Move to the next page
b,up----------Move to the previous page
/----------Search for text
m----------Mail current document
s----------Save current document
p----------Print current document
D----------download current document

HANDOUT 6

INTERNET MEDICAL USENET NEWSGROUPS

A. Patient Support
1. alt.support.arthritis
2. alt.support.attn-deficit
3. alt.support.big-folks
4. alt.support.cancer
5. alt.support.crohns-colitis
6. alt.support.depression
7. alt.support.diet
8. alt.support.eating-disord
9. bit.listserv.transplant
10. clari.tw.health
11. clari.tw.health.aids
12. alt.support.mult-sclerosis
13. alt.support.obesity
14. alt.support.spina-bifida
15. misc.health.diabetes
16. alt.med.allergy

B. Clinical
1. bit.listserv.autism
2. bit.listserv.deaf-l
3. bit.listserv.medforum
4. bit.listserv.medlib-l
5. bit.listserv.mednews
6. alt.image.medical
7. sci.med
8. sci.med.aids
9. sci.med.dentistry
10. sci.med.nursing
11. sci.med.nutrition
12. sci.med.occupational
13. sci.med.pharmacy
14. sci.med.physics
15. sci.med.psychobiology
16. sci.med.radiology
17. sci.med.telemedicine
18. talk.politics.medicine

HANDOUT 7

NEWSGROUP SEARCH COMMANDS

TO READ

VN -N newsgroup address
VN -N alt.usage.english

TO FIND THE ADDRESS BY DOING A KEY WORD SEARCH

GREP keyword .newsrc
GREP library .newsrc

TIN

Type **TIN** at home directory
hit **/** to search a particular newsgroup
for example: **/** uvm.forsale

LS -a (to find a file ".newsrc")

Selectnews (to subscribe or unsubscribe)

More .newsrc (to view the file only)

HANDOUT 8

EVALUATION FORM
LISTS/GOPHER

Please complete this evaluation form to help us improve our service.

Status: (1) UVM Faculty/Staff/Fellow (2) UVM Student (3) MCHV

Date_____.

Scale:
5 = strongly agree
4 = agree
3 = uncertain
2 = disagree
1 = strongly disagree

1. I learned valuable List/Gopher skills and info. 5 4 3 2 1

2. Course content met my expectations. 5 4 3 2 1

3. Class examples were useful. 5 4 3 2 1

4. The class length was adequate. 5 4 3 2 1

5. The instructor was patient and helpful. 5 4 3 2 1

6. The instructor was knowledgeable in the subject. 5 4 3 2 1

7. Please record your overal reaction to the CDPLUS/CINAHL training session by **CIRCLING** the appropriate point on the scale.

5 4 3 2 1
EXCELLENT POOR

Other Comments:

Thank you for your time and cooperation

Tutor's Initial_____